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BALDOR • RELIANCE

Product Information Packet

IDXM7006

.5HP,1735RPM,3PH,60HZ,56C,3513M,XPFC,F1

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Part Detail							
Revision:	M	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	3514M	**Elec. Spec:**	35WGP862	**CD Diagram:**	CD0005
Enclosure:	XPFC	**Mfg Plant:**		**Mech. Spec:**	35M998	**Layout:**	35LYM998
Frame:	56C	**Mounting:**	F1	**Poles:**	04	**Created Date:**	11-24-2010
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	09-02-2016
Leads:	9#18					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP0887XPSL

NO.				CC					
S/N				TEMP CODE	T3C				
SPEC.	35M998P862G1			INV.TYPE	PWM				
CAT.NO.	IDXM7006			C HP FR	60	C HP TO	90		
HP	.5			CT HZ FROM	6	CT HZ TO	60		
VOLTS	230/460			VT HZ FROM	6	VT HZ TO	60		
AMPS	1.6/.8			MAG CUR	1/.5				
RPM	1735			MX RPM	2700				
HZ	60	PH	3	CL	F	NOM.EFF.	82.5		
SER.F.	1.00	DES	B	SL HZ	2.2	WK2	0.08		
FRAME	56C	RATING	40C AMB-CONT						
	55C RISE								

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AC Induction Motor Performance Data

Record # 36569
Typical performance - not guaranteed values

Winding: 35WGP862	**Type:** 3513M	**Enclosure:** XPFC

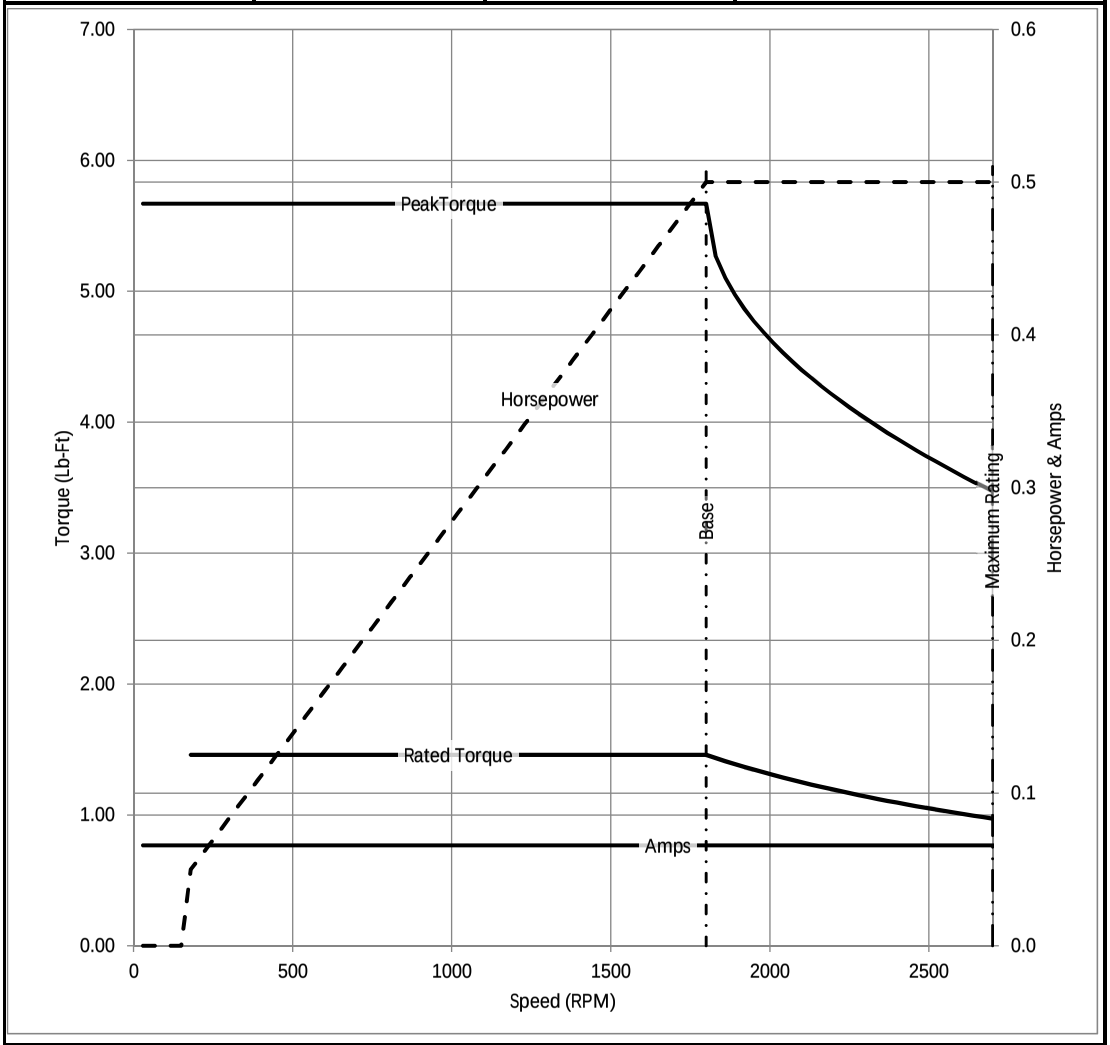
Nameplate Data				General Characteristics at 460 V, 60 Hz: High Volt Connection	
Rated Output (HP)	.5			Full Load Torque	1.53 LB-FT
Volts	230/460			Start Configuration	DOL
Full Load Amps	1.6/.8			Break Down Torque	6.3 LB-FT
R.P.M.	1735			Pull-Up Torque	3.55 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	4.82 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	5.57 Amps
Service Factor	1			No-load Current	0.483 Amps
NEMA Nom. Eff.	82.5	P.F.	74	Line-line Res. @ 25°C.	37.7 Ohms
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	20°C
S.F. Amps				Temp. Rise @ S.F. Load	26°C

Load Characteristics at 460 Volts, 60 Hz, 0.5 HP

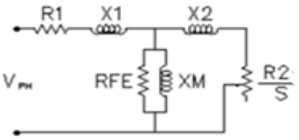
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	52	64	75	79	85	
Efficiency	69.7	80.2	82.4	82.8	81.9	79.7	
Speed	1784	1770	1755	1737	1718	1697	
Line Amperes	0.512	0.575	0.662	0.768	0.899	1.04	

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Catalog	IDXM7006	NP VOLTS	230/460	ENCLOSURE	XPFC	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)		
FRAME	56C	NP AMPS	1.6/.8	Base Volts	460	R1	18.400	X1	22.338
HP	0.5 HP	DUTY	Cont	Base AMPS	0.768	R2	13.200	X2	12.942
BASE SPEED	1800	MAX SAFE RPM	2700	Slip Hz	2.10			XM	503.246
PHASE/HZ	3/60	AMB^{0}C/INSUL	40/F	WK^2 (lb-ft^2)	0.0768				

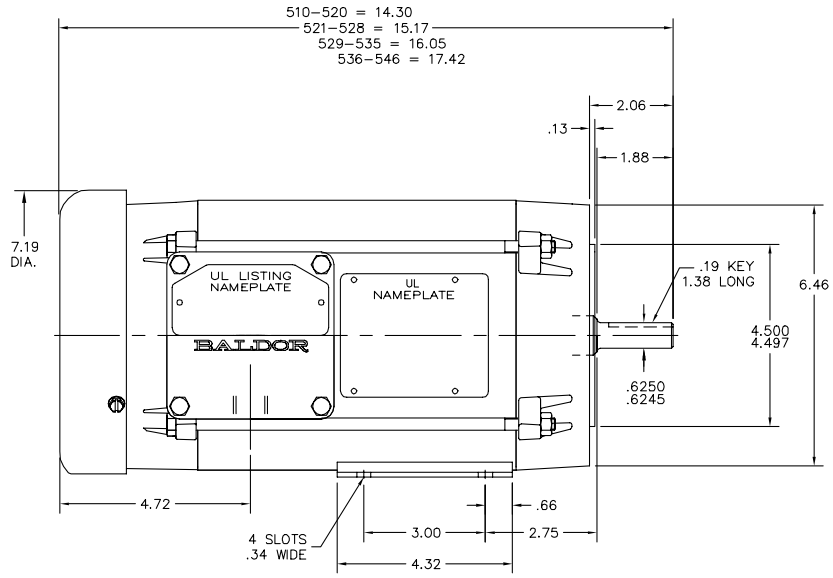


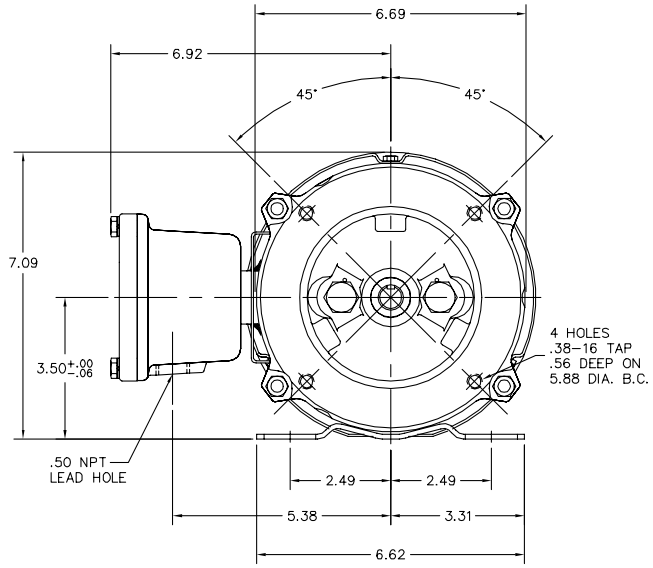
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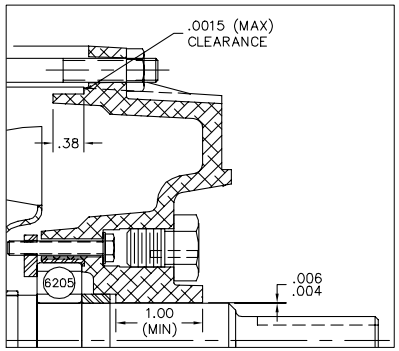


BALDOR A MEMBER OF THE ABB GROUP	DR BY	ENR	A-C MOTOR PERFORMANCE CURVES	35M998P862G1
	CK BY			
	APP BY	ENR		
	DATE	3/6/2013	ISSUE DATE	3/6/2013

35LYM998







35LYM998

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: ADD .50 NPT LEAD HOLE & .19 KEY X 1.38 LONG		
REV. LTR: E	VERSION: 04	TDR: 000000936228
FILE: \AAA\00024\748	REVISED: 02:03:16 07/27/2015	BY: ENROST0
MTL: –		

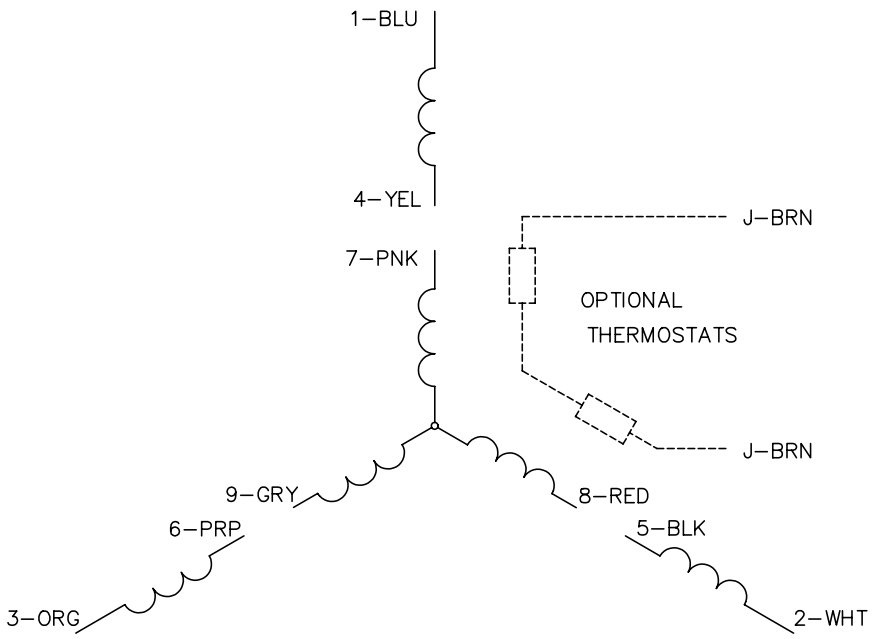
BALDOR

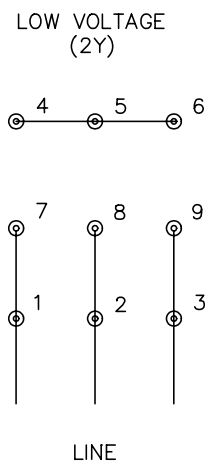
HORZ 56C XPFC 35M CL–I GP–D, CL–II GP–F&G, .50 NPT (INV)

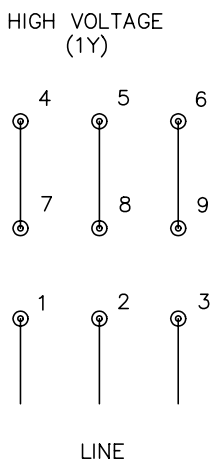
SH 1 of 1

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CD0005







NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS

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